

SUPPLEMENTAL SECTION

Dimeric 3,5-bis(benzylidene)-4-piperidones : Tumor-selective cytotoxicity and structure-activity relationships

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Table S1. Search for correlations between various physicochemical parameters of the aryl substituents in **2a-g** and the CC₅₀ values.

Bioassay	Plot	σ	π	MR
HL-60	l	<0.05	<0.01	--
HL-60	sl	--	<0.01	--
HSC-2	l	<0.05	<0.01	--
HSC-2	sl	--	<0.05	--
HSC-3	l	<0.1	<0.05	--
HSC-3	sl	--	<0.05	--
HSC-4	l	<0.05	<0.01	--
HSC-4	sl	--	<0.05	--

Table S2. Search for correlations between various physicochemical parameters of the aryl substituents in **3a-g** and the CC₅₀ values.

Bioassay	Plot	σ	π	MR
HL-60	l	<0.01	<0.05	--
HL-60	sl	<0.1	<0.01	--
HSC-2	l	<0.01	<0.05	--
HSC-2	sl	<0.1	<0.01	--
HSC-3	l	<0.01	<0.01	--
HSC-3	sl	<0.1	<0.01	--
HSC-4	l	<0.05	<0.05	--
HSC-4	sl	<0.1	>0.01	--

Please note the following comments which pertain to Tables S1 and S2.

1. The letters l and sl refer to the plots being linear and semilogarithmic.
2. Only relationships ($p < 0.05$) or tendencies to a relationship ($p < 0.1$) are placed in the tables.
3. No correlations are designated as --.
4. All the correlations are positive.

Table S3. Search for correlations between various physicochemical parameters of the aryl substituents in **2a-g** and **3a-c,e-g** and the SI values.

Compounds	Plot	σ	π	MR
2a-g	l	--	--	--
2a-g	sl	<0.05	<0.05	--
3a-c,e-g	l	--	--	--
3a-c,e-g	sl	--	--	--

Please note the following comments which pertain to Table S3.

1. The letters l and sl refer to the plots being linear or semilogarithmic.
2. The correlations noted are negative.
3. No correlations are designated --.